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SEE Electrical Installation Manual

V7R1

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A INSTALLATION OF SEE ELECTRICAL V7R1

Install the version into an empty folder! It is not possible to overwrite an existing old version! Depending on whether *SEE Electrical* was already installed, or not, follow the instructions below in this chapter. There you will also find information about which parts of the *SEE Electrical* software must be moved to a network directory, what is the procedure when *SEE Electrical* data is used by several users or it is simply installed on a drive.

A.1. HARWARE AND OPERATION SYSTEM

A.1.1. MINIMAL CONFIGURATION

- ✓ *Windows* XP SP3
- ✓ Simple Core 1,9GHz processor
- ✓ Live memory (RAM) : 1GB
- ✓ Required free disk space: 10GB

A.1.2. RECOMMENDED CONFIGURATION

- ✓ *Windows* XP SP3 or *Vista* SP2 or *Seven*
- ✓ Dual Core processor
- ✓ Live memory (RAM) : 4 GB
- ✓ Required free disk space: 10 GB
- ✓ Graphic card: Intel / Matrox / ATI any processor with internal memory not less than 1 GB and minimum resolution 1024 x 768, strongly recommended Full HD

Note:

The machine must have a free USB 2 port for the dongle and a CD - ROM in case of installation from a CD.

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A.2. RIGHTS DURING INSTALLATION

When running the Operating System as Administrator or as a User, there are two possible approaches:

- ✓ The software must be installed with an administrator account. If the user logs on as main user on the computer, then it is enough to enter the values one more time and close the licence assistant. The licence will remain on the computer.

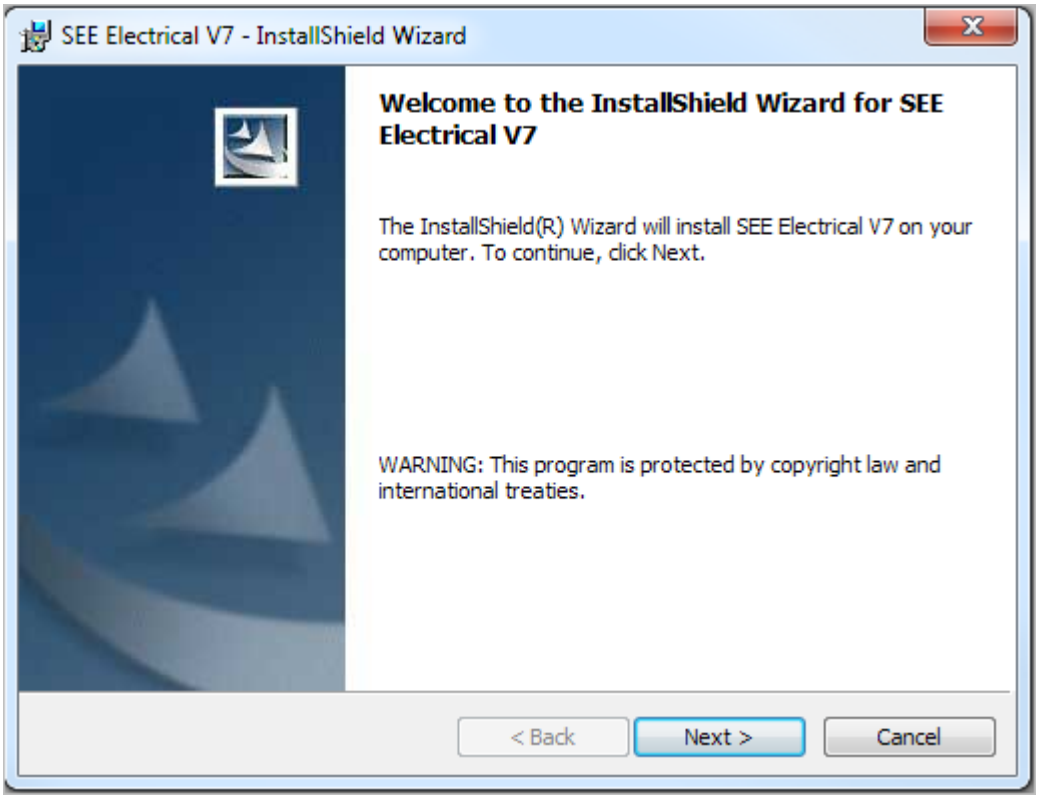
  However, if the user logs on as "User with limited rights", the Administrator must give full access and modification rights for the whole *SEE Electrical* main directory.

- ✓ The user profile must keep the administrator rights during the installation. The administrator rights can be removed again after the installation.

  However, if the user works with the "User with limited rights" property, the administrator must give full access and modification rights for the whole *SEE Electrical* main directory.

A.3. INSTALLATION PROCESS

Insert the CD of *SEE Electrical* that you have received from your local distributor or double click the installation file.
The ***Welcome*** window appears.


SEE Electrical V7 - InstallShield Wizard
Welcome to the InstallShield Wizard for SEE Electrical V7
The InstallShield(R) Wizard will install SEE Electrical V7 on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

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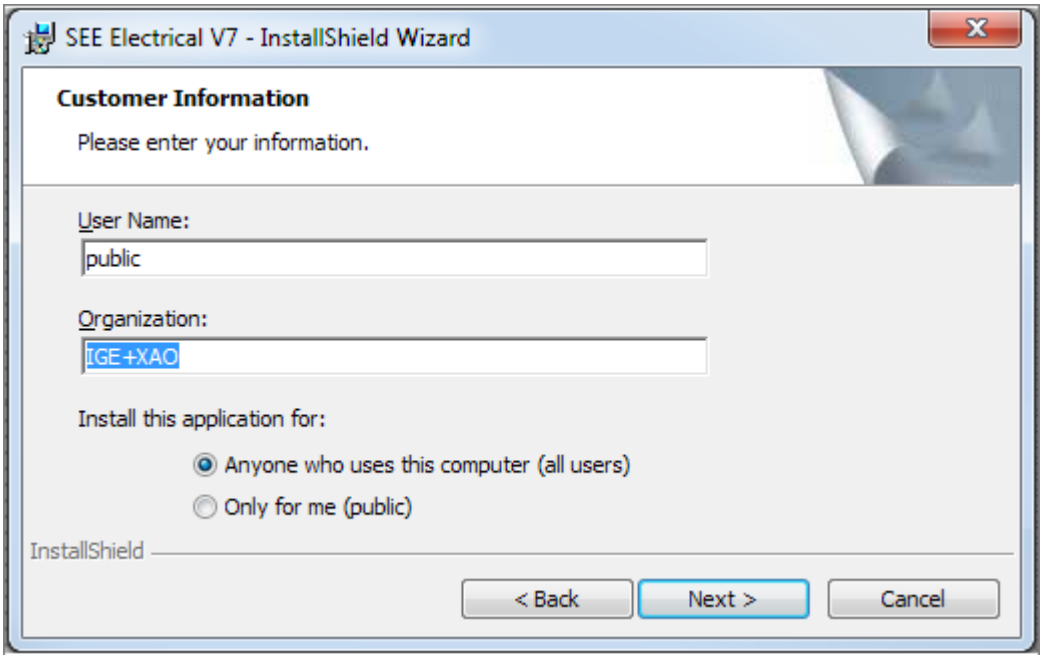
- Click **Next** to proceed.

SEE Electrical V7 - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
USER RIGHTS CONCESSION AGREEMENT FOR SEE ELECTRICAL ISSUED BY IGE
Note: Please, read carefully the terms of this agreement before continuing the installation, as pressing the button "ACCEPT" will indicate your consent. If you do not agree with these terms, please abort the installation.
The software, which accompanies this license (the "Software") is a property of IGE and its licence holders and is protected by copyright. IGE is the Software owner; you have some user rights on the Software after agreeing with the license. Unless in case of amendments by addendum accompanying this license, your rights and obligations during the use of this Software are as
I accept the terms in the license agreement
I do not accept the terms in the license agreement
Print
InstallShield
< Back
Next >
Cancel

- Read carefully the *User rights Concession* agreement. Check the ***"I accept the terms in the license agreement"*** option and click **Next** if you want to proceed.



- Insert the user name and the organization.

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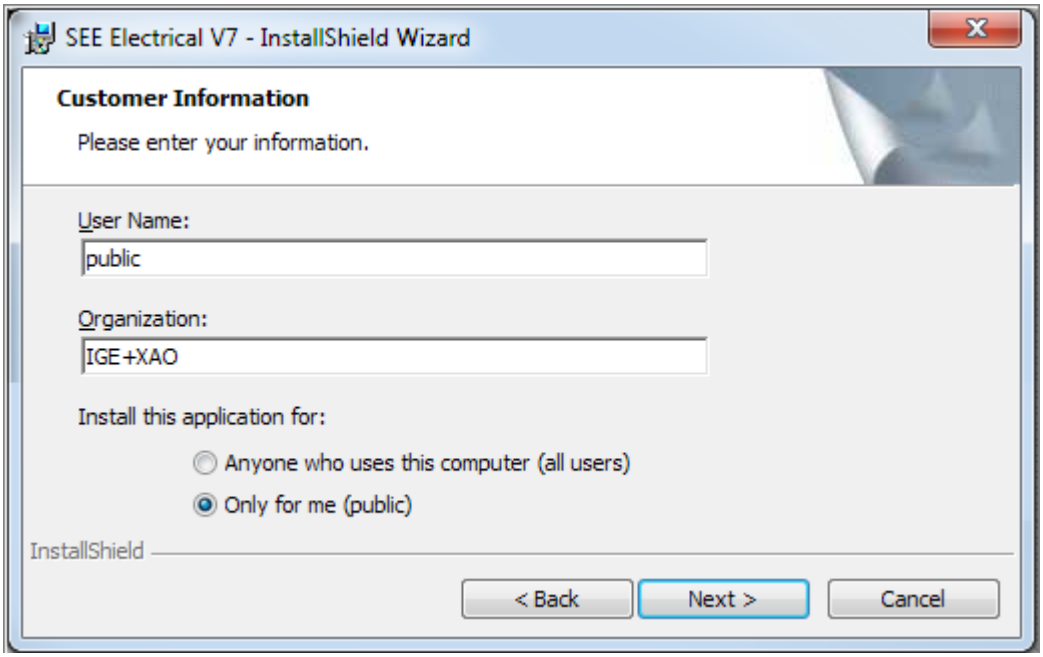
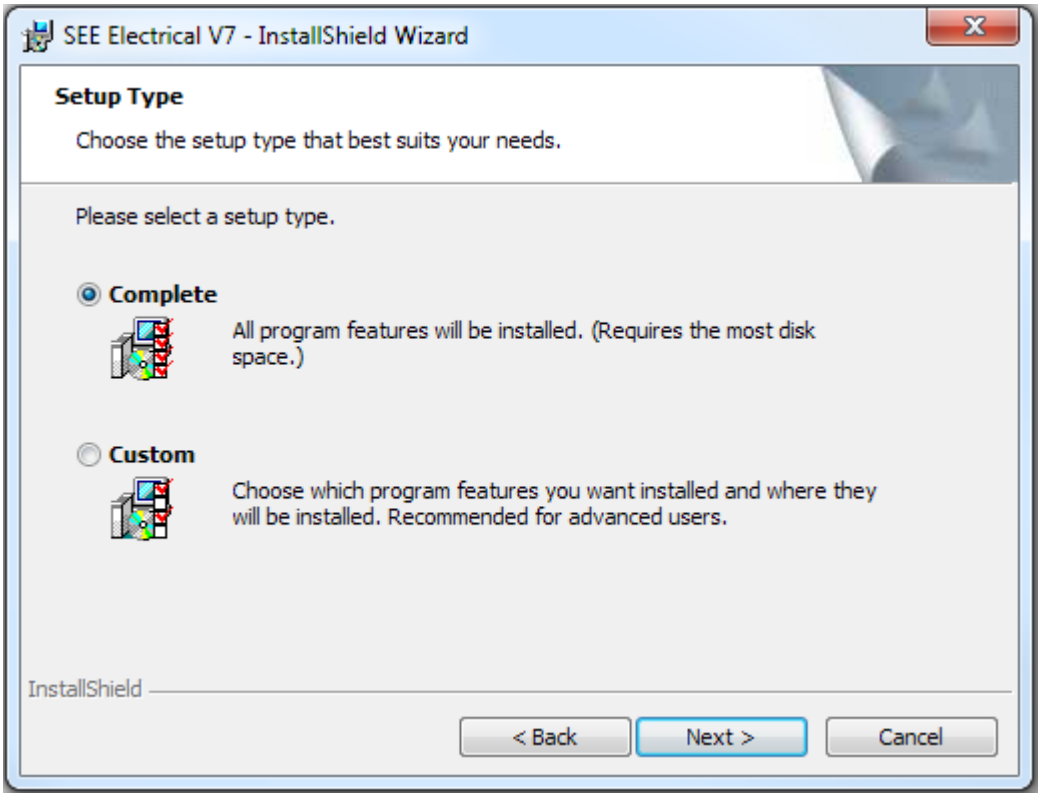
You can select who will use this software.

- Select the *"**Anyone who uses this computer**"* option to allow to all users access to the program.
- Select the *"**Only for me**"* option to allow access only to the current user.



- Click **Next** to proceed.


SEE Electrical V7 - InstallShield Wizard
Setup Type
Choose the setup type that best suits your needs.
Please select a setup type.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Choose which program features you want installed and where they will be installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

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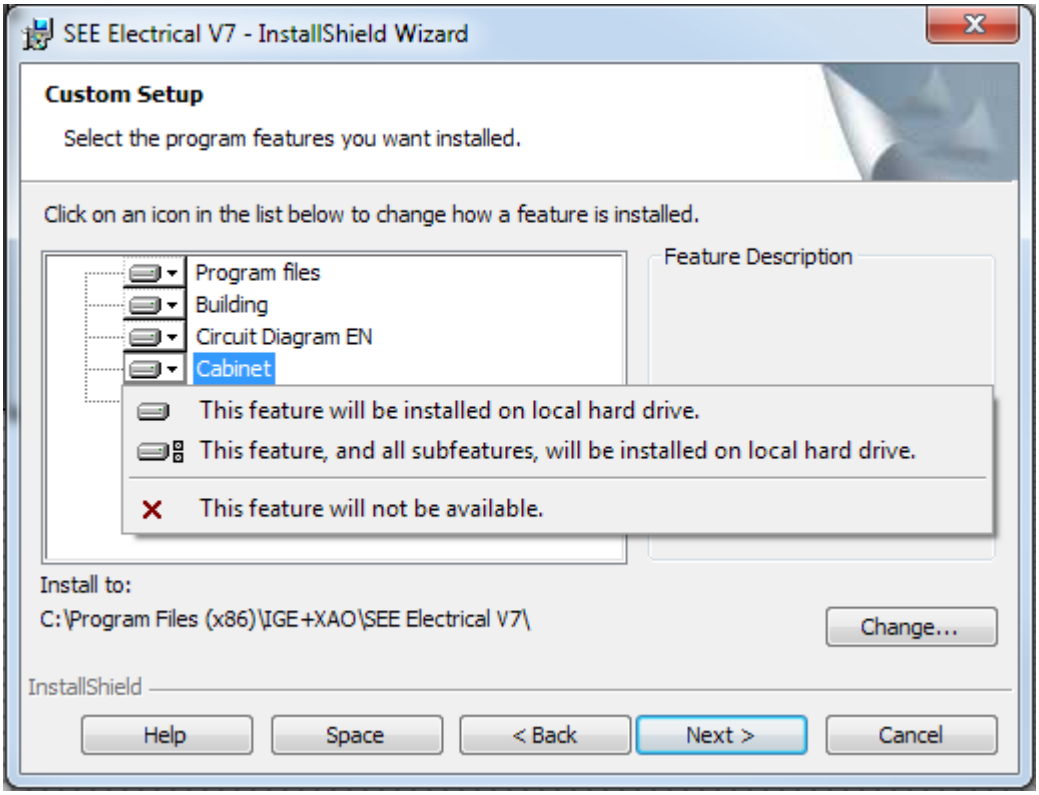
- Select the type of installation.

*"**Complete**"* will install the typical parameters.

Note:

*If you select "**Custom**" you can choose which parameter to install and also change the installation directory.*


SEE Electrical V7 - InstallShield Wizard
Custom Setup
Select the program features you want installed.
Click on an icon in the list below to change how a feature is installed.
Program files
Building
Circuit Diagram EN
Cabinet
Feature Description
This feature will be installed on local hard drive.
This feature, and all subfeatures, will be installed on local hard drive.
This feature will not be available.
Install to:
C:\Program Files (x86)\IGE+XAO\SEE Electrical V7\
Change...
InstallShield
Help
Space
< Back
Next >
Cancel

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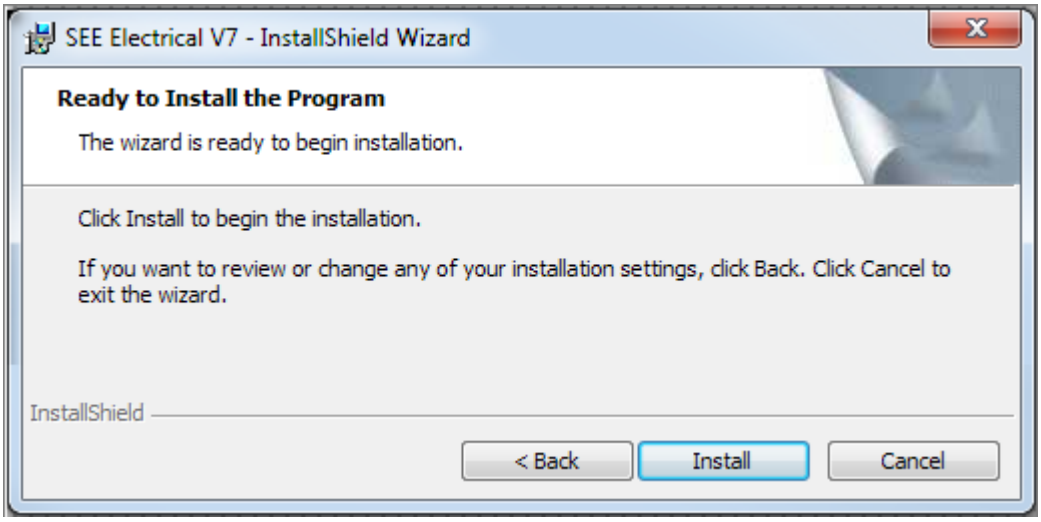
- Choose an option and click **Next**.


SEE Electrical V7 - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

- Click **Install** to begin the installation of the software.
- After the installation has been completed, click **Finish** to exit.
- Restart your computer if necessary.
- Unlock the software.

Depending on whether your version is protected with a Softlock or with a Dongle, you will find more instructions for the unlocking procedure in the appropriately named file on your *SEE Electrical* CD, in the DOCUMENTS\D\UNLOCKING subdirectory.

Important

*If you use **Windows Vista** or **Windows** 7 and you want to link the shortcut to the project data in the operating system, you must run the software only as Administrator.*
To do this, right click the program icon of SEE Electrical and select **Run as Administrator** *in the pop-up menu. Confirm the security message with* **Allow** *und close the program again.*

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B LICENSING TYPES

This chapter helps you to license SEE Electrical.

If you work with Administrator and User profiles, there are two procedures for installing and licensing:

- ✓ The software must be installed, and the dongle programmed under the Administrator's account.

  If the user must log on as main user on the computer, it is enough to fill in, and close the *License wizard*.

  If the user logs on as ***"User with limited rights"***, rights for full access or rights for editing the main directory and all subdirectories of *SEE Electrical* must be given from the Administrator. If you use the "***Safe mode***" or "***Backup***"-function, this has to be done also for the folders '$projects" and "temp" in the *SEE Electrica*l folder. (These folders are not generated on installation, but are automatically generated on the first execution of the "Safe mode" or "Backup"-functions.).

  If *Windows* home version is used, it is not possible to enhance the rights for restricted users in folders. In this case we recommend that you install the program in the folder "*My files*", because here even users with restricted rights have enough rights.

The User profile must receive Administrator rights during the installation and programming of the dongle. The Administrator rights can be removed after installing and licensing.

B.1. LICENSE SEE ELECTRICAL WITH A DONGLE

B.1.1. LICENSE WITH A DONGLE - INTRODUCTION

A Dongle (Hardlock) can be available as a single-position dongle or as a network dongle. In this chapter you will find the instruction for licensing with a single-position dongle.
If you are not familiar with the program, we recommend, after licensing with a dongle, to work through the *Workspace Example 1* (in the *User Manual*) to get a general introduction into the program.
If *SEE Electrical* must be used on several computers, license the software on all of the computers as described below: However, the dongle must be programmed only once, and the plug connection can be changed afterwards.

B.1.1.a. PROGRAMMING OF THE DONGLE

- Insert the dongle in the parallel or USB port of your PC.
- After installing *SEE Electrical,* in the *Windows* **Start** menu, select **Programs** ➢ **IGE-XAO** ➢ ***SEE Electrical* V7**, and run the **Program Dongle** command.

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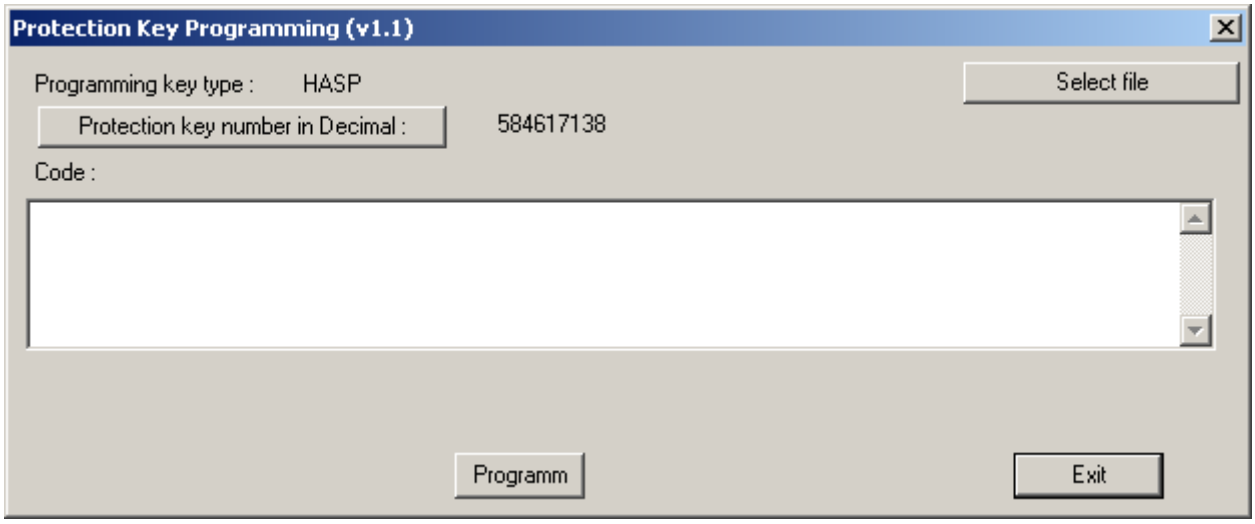
The following window appears:



- Press **Protection key number in Decimal**. The button changes into **Protection key number in Hexadecimal**. The number on the right is your dongle number.
- Type the dongle license code given in your contract in the "***Code***" field.

If you need to work with an older version too, get in contact with your delivery department.

- Click **Program**. Your dongle is now programmed. You will receive a message that the dongle is successfully programmed. If you don't receive this message, repeat the procedure. If the programming of the dongle fails again, contact us.

B.1.1.b. LICENSE SEE ELECTRICAL SOFTWARE (ON EACH COMPUTER REQUIRED)

If you start *SEE Electrical* for the first time, the *License wizard* appears. Enter your company data here.
Select the type of protection used for your software: *"**My software is protected with a hardware key**"*.
After clicking on **Finish**, you can use *SEE Electrical* unlimited within your license.
If the dongle is disconnected, SEE electrical cannot work and is automatically closed!

- During the installation a PROTECTION:XML file is copied into the *SEE Electrical* folder.

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml version="1.0" encoding="UTF-8" ?>
- <PROTECTION_PARAMETERS VERSION="1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
- <TYPE MERGE_LICENSE="NO" HARDWARE="YES" SERVER_SEARCH="NO">
  <SERVER_INFO SERVER_NAME="" />
  </TYPE>
  </PROTECTION_PARAMETERS>
```

Edit the file with a *XML* editor and make sure, SERVER_SEARCH is "NO" in case a dongle (but no network dongle) is used.

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B.2. UNLOCKING WITH A NETWORK DONGLE – GENERAL

In this chapter you will find a description of unlocking the software with a network dongle.

If you are not familiar with the program, we recommend, after licensing with a dongle, to work through the *Workspace Example 1* (in the *User Manual*) to get a general introduction into the program.

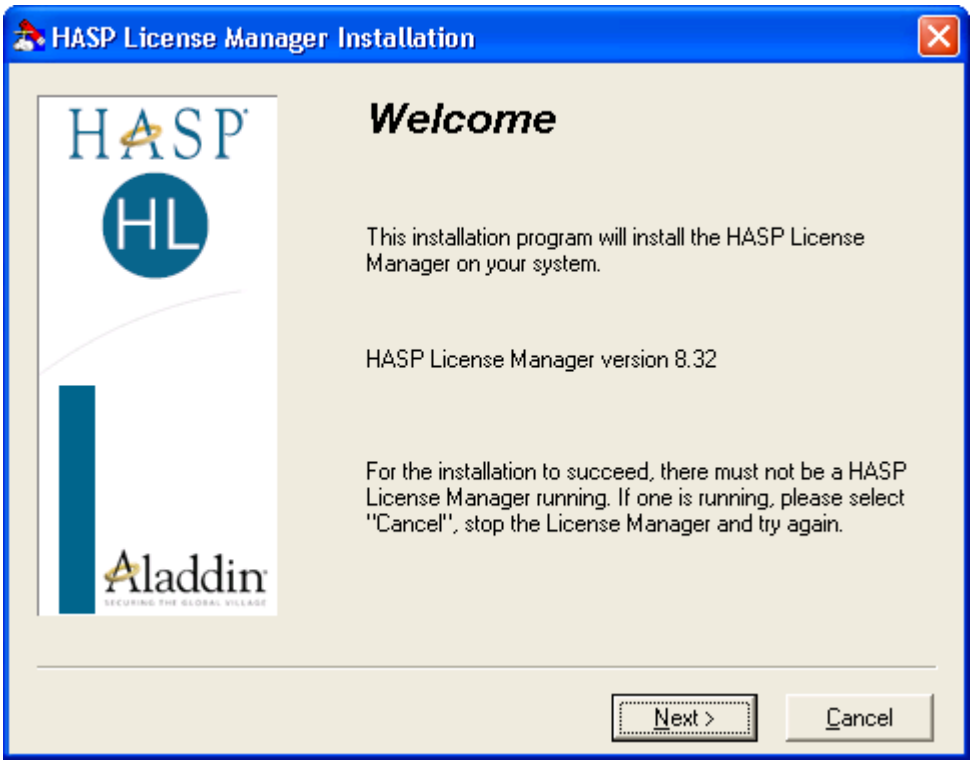
When *SEE Electrical* is used together with a network dongle, then the unlocking of the software on all computers has to be accomplished as described below. However the dongle itself must be programmed only once. The dongle software must be installed only once on the server.

B.2.1. INSTALLATION OF THE DONGLE SOFTWARE

Install the dongle software on a computer, which remains permanently in the network.
You need Administrator rights to run the procedure.

Proceed as follows:

- Start the *Aladdin License-Manager* **lmsetup_8.32.EXE** from the *SEE Electrical* CD, folder "*\HLDRV\SERVER\8.32*: The dongle must not be yet put to the computer.
- To start the configuration you must first confirm the start window with **Next**.


HASP License Manager Installation
HASP
HL
Aladdin
Welcome
This installation program will install the HASP License Manager on your system.
HASP License Manager version 8.32
For the installation to succeed, there must not be a HASP License Manager running. If one is running, please select "Cancel", stop the License Manager and try again.
Next >
Cancel

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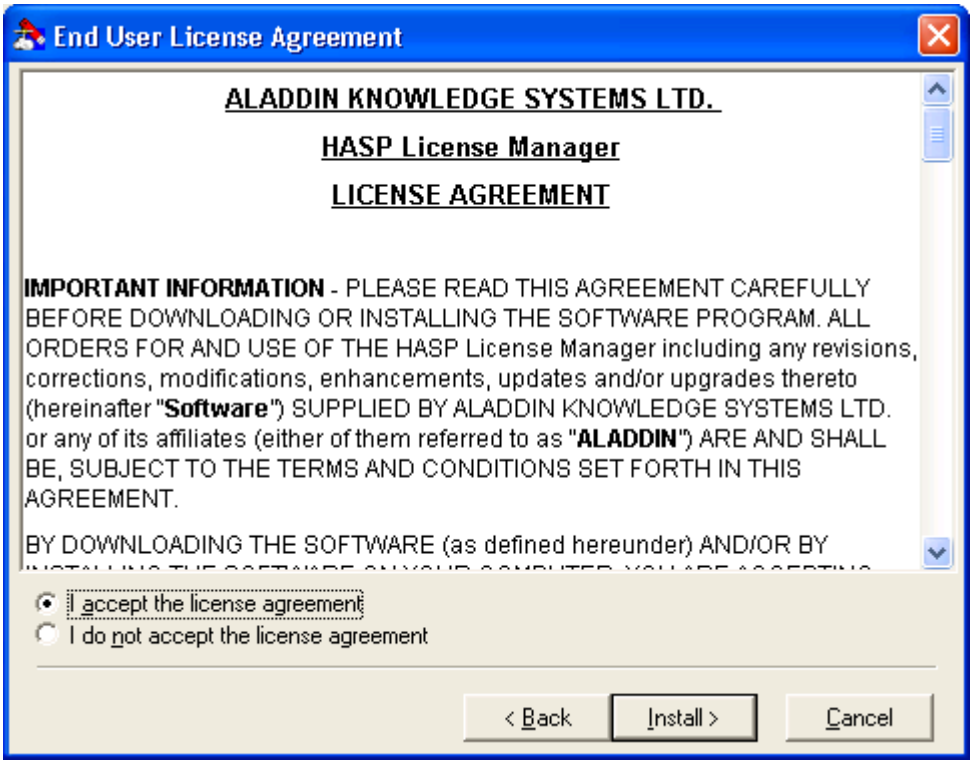
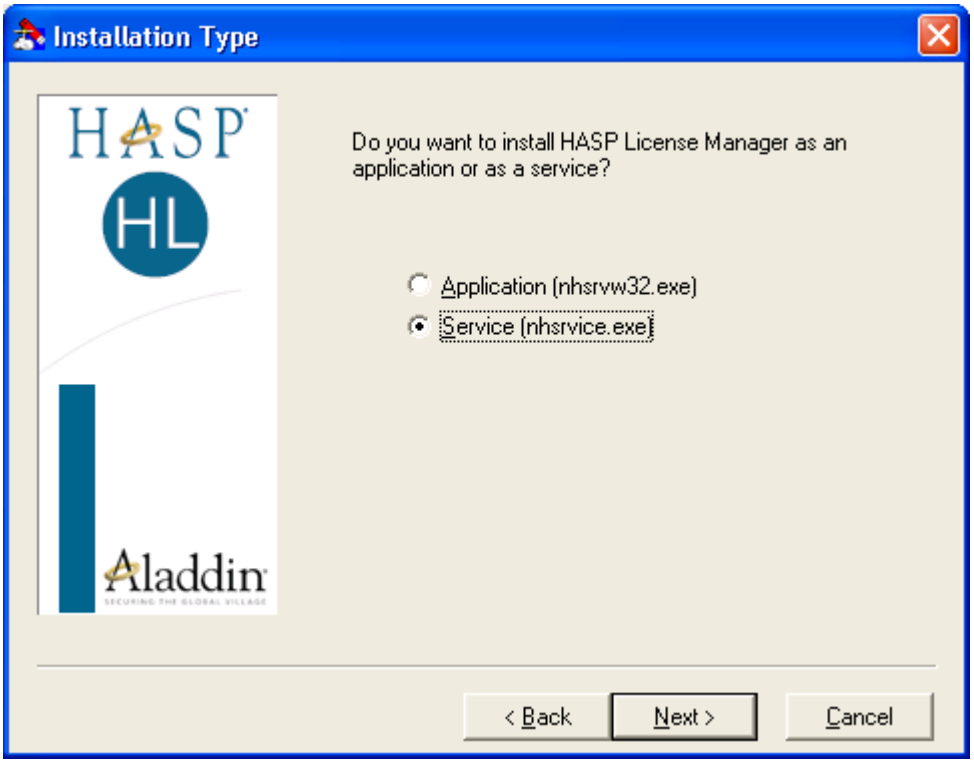

End User License Agreement
ALADDIN KNOWLEDGE SYSTEMS LTD.
HASP License Manager
LICENSE AGREEMENT
IMPORTANT INFORMATION - PLEASE READ THIS AGREEMENT CAREFULLY BEFORE DOWNLOADING OR INSTALLING THE SOFTWARE PROGRAM. ALL ORDERS FOR AND USE OF THE HASP License Manager including any revisions, corrections, modifications, enhancements, updates and/or upgrades thereto (hereinafter "Software") SUPPLIED BY ALADDIN KNOWLEDGE SYSTEMS LTD. or any of its affiliates (either of them referred to as "ALADDIN") ARE AND SHALL BE, SUBJECT TO THE TERMS AND CONDITIONS SET FORTH IN THIS AGREEMENT.
BY DOWNLOADING THE SOFTWARE (as defined hereunder) AND/OR BY
I accept the license agreement
I do not accept the license agreement
< Back
Install >
Cancel

- Accept the agreement.
- Press **Install**.
- Select how to install the *NetHASP License Manager*: "*Service (nhsrvice.exe)*" and quit the window with **Next**.



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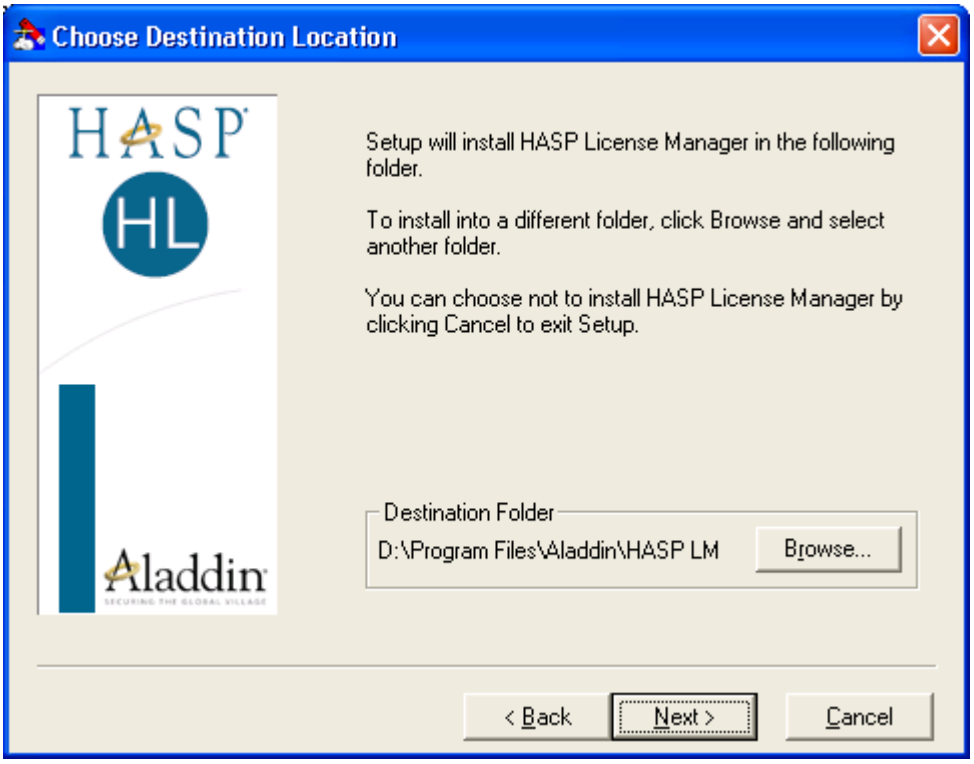
- Enter the name of the folder where the program shortcut will be located later and press **Next**.


Choose Destination Location
HASP
HL
Aladdin
Setup will install HASP License Manager in the following folder.
To install into a different folder, click Browse and select another folder.
You can choose not to install HASP License Manager by clicking Cancel to exit Setup.
Destination Folder
D:\Program Files\Aladdin\HASP LM
Browse...
< Back
Next >
Cancel

- Select a program group to add HASP License Manager icon to:

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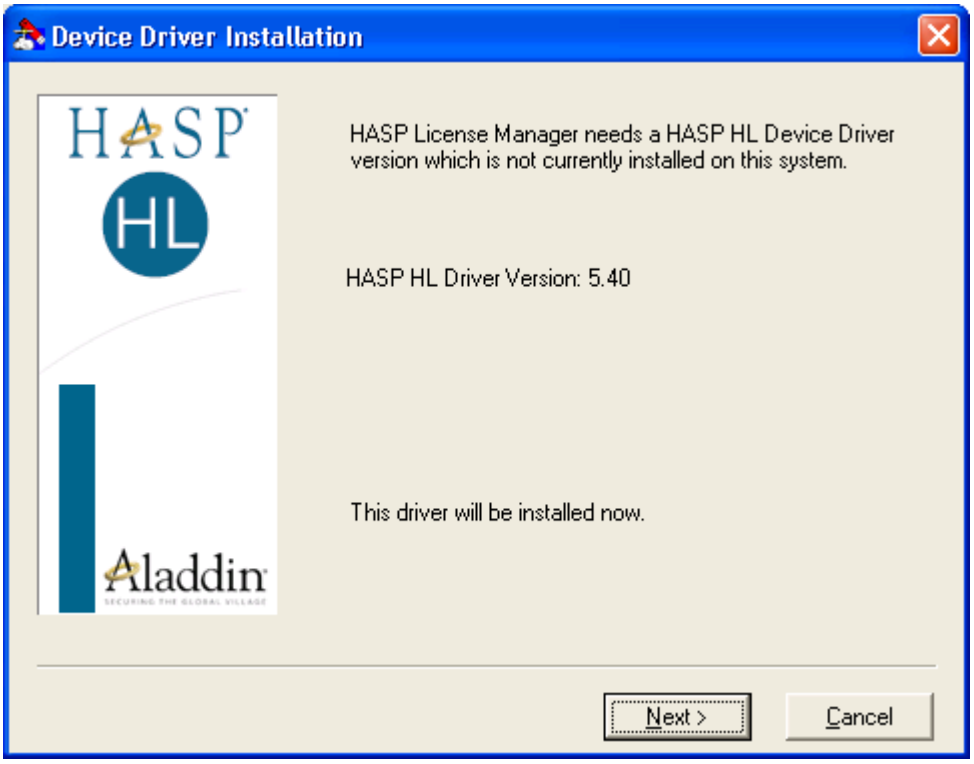
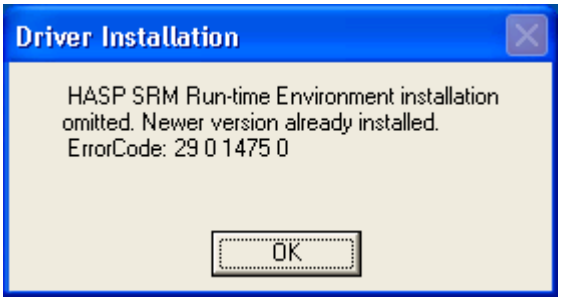
- Press **Next.**

The dongle drivers are installed after the installation of the License Manager.


Device Driver Installation
HASP
HL
Aladdin
HASP License Manager needs a HASP HL Device Driver version which is not currently installed on this system.
HASP HL Driver Version: 5.40
This driver will be installed now.
Next >
Cancel

In case the drivers installed on your system are newer than the drivers in the installation of the License Manager, a message appears.


Driver Installation
HASP SRM Run-time Environment installation omitted. Newer version already installed.
ErrorCode: 29 0 1475 0
OK

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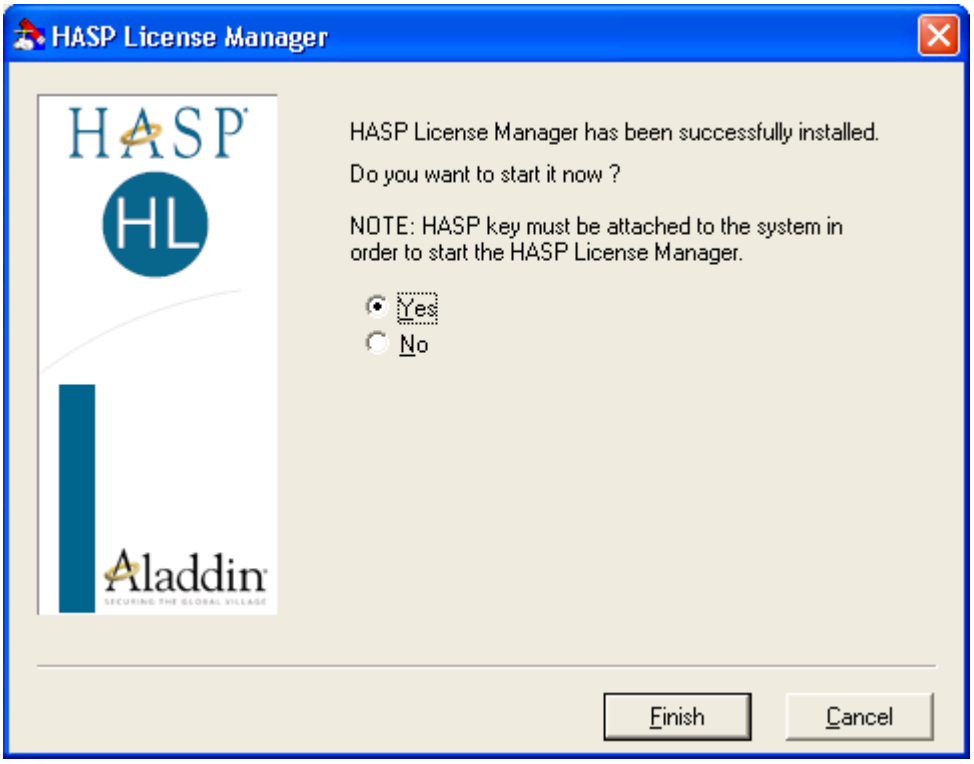
In the next window, select *"**Yes**"* and press **Finish**.


HASP License Manager
HASP License Manager has been successfully installed.
Do you want to start it now ?
NOTE: HASP key must be attached to the system in order to start the HASP License Manager.
Yes
No
Finish
Cancel

The installation is complete.

- Copy the nhsrv.ini from the folder *"\HLDRV\Server\820"* on your CD into the folder *"System32"* on the computer, where the ***License Manager*** is running. Remove the attribute "Read only".

If you use a **Windows 64 Bit System**, you must copy the **nhsrv.ini** file from the *\HLDRV\Server\832* of your CD into the directory *…\Windows**SysWOW64*** directory.

- Restart your computer.

Notes about Windows 32 bit computers:

The following possibility for controlling the installation is available only for Windows 32Bit. For Windows 64 Bit the icon in the taskbar does not exist.

- *Control the complete installation of the Licence Manager by right clicking the* *icon select* **Show**.
- *In the "**HASP License Manager for Win32**" window, click the "**ActivityLoc**" menu item.*
- *Search for the following entry:* Server Names: IGE+XAO .

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Notes about Windows XP Windows Server, Vista und Windows 7:

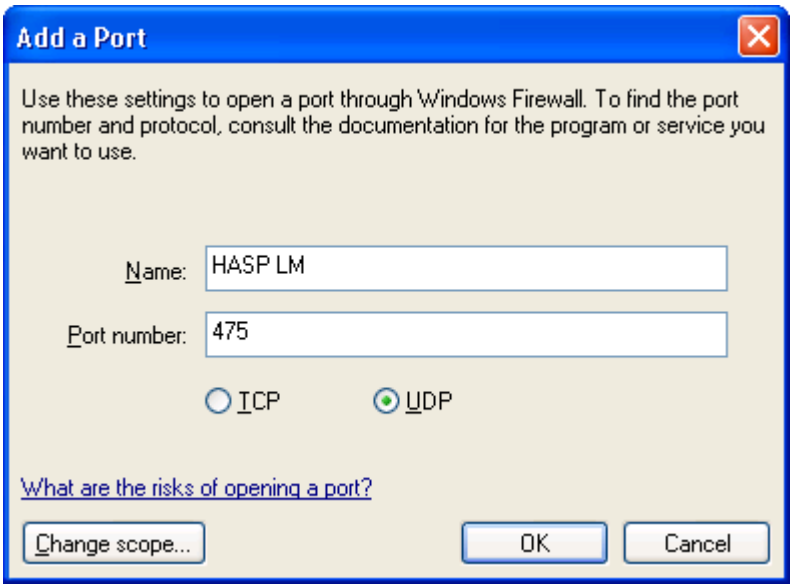
*If the License Manager is installed onto a Windows XP Service Pack 2 system, **Windows Server, Vista and Windows 7**, the Port 475 will be automatically opened in the activated Windows Firewall.*

To control the settings of the Windows Firewall, click **START ➢ Settings ➢ Control panel ➢ Windows Firewall** or **START ➢ Control Panel ➢ Windows Firewall**.

*If the **Control Panel** is displayed by Categories, click the **System and Security** category to access the* **Windows Firewall** *command. Then click the "**Allow a programm to communicate through Windows Firewall**" option.*

- *Select the "HASP LM" entry.*

The following window appears:


Add a Port
Use these settings to open a port through Windows Firewall. To find the port number and protocol, consult the documentation for the program or service you want to use.
Name:
HASP LM
Port number:
475
TCP
UDP
What are the risks of opening a port?
Change scope...
OK
Cancel

- *Insert the necessary values.*

If you are using a firewall of a different manufacturer, unlock the port 475 (UDP) for the Licence Manager. Refer to the procedure in the documentation of your firewall.

Networks with different sub network addresses:

If the License manager is in another network segment than the computer where SEE Electrical runs, then it must be ensured that the port 475 is routed into the respective network segment.
Check therefore the settings of your router and if necessary change the configuration.

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B.2.2. INSTALLATION OF SEE ELECTRICAL PER CAD COMPUTER IN THE NETWORK

- Start the installation from the *SEE Electrical* CD-ROM and follow the installation instructions (administrator rights are necessary to perform the installation).
- During the installation a PROTECTION:XML file is copied into the *SEE Electrical* folder.

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml version="1.0" encoding="UTF-8" ?>
- <PROTECTION_PARAMETERS VERSION="1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
- <TYPE MERGE_LICENSE="NO" HARDWARE="YES" SERVER_SEARCH="NO">
  <SERVER_INFO SERVER_NAME="" />
  </TYPE>
  </PROTECTION_PARAMETERS>
```

- Edit the file with a XML Editor and, in case you use a network dongle, make sure that the SERVER_SEARCH is set to "***Yes***". In this case add to the IP address of the server the SERVER_INFO SERVER_NAME keyword between "".
- After the installation from the CD copy from the folder "*\HLDRV\SERVER*" the file "*NETHASP.INI*" into the *Windows* folder. Open the file, and change the IP address in such a way that the IP address belongs to the computer, on which will be placed later the network dongle.

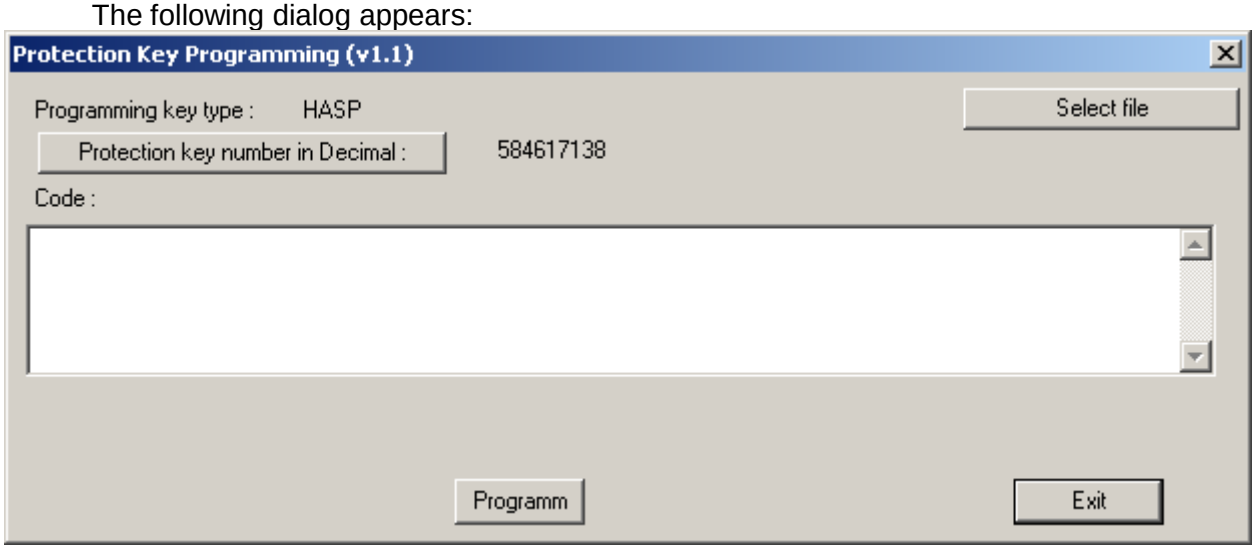
The entry looks for ex. In the following way:
NH_SERVER_ADDR=192.169.101.50
Guarantee before the change that the INI file is not write protected.

B.2.3. PROGRAMMING THE DONGLE

The programming of the dongle has to be done on one of the computers, where *SEE Electrical* is already installed. You have to have administrator rights.

- Plug in the dongle into the parallel and/or USB interface of your PC.
- After the installation of *SEE Electrical* a start menu is available in *Windows* under **Programs ➢ IGE+XAO ➢ *SEE* Electrical V7 ➢ Program dongle**.
- Click it.

The following dialog appears:



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- Press **Protection key number in decimal**. The button changes in **Protection key number in hexadecimal**. The number right to the button now indicates your dongle number.
- Enter in the field "***Code***" the release code for the dongle as it is in your copy.

If you need to work with an older version too, get in contact with your delivery department.

- Select **Program**. Your dongle is now programmed. You will receive a message that the dongle is successfully programmed. If you don't receive this message, repeat the procedure. If the programming of the dongle fails again, contact us.
- After successful programming plug the dongle in your License server.

Unlocking of *SEE Electrical* software (it is necessary on each computer)

When *SEE Electrical* is run the first time, the registration wizard is opened. Enter your company data here.

- Select the type of protection used for your software: "***My software is protected with a hardware key***".

After you click on **Finish** you can use *SEE Electrical* unrestricted within your license.
If the dongle is removed, SEE Electrical cannot work and is automatically closed!

Notes for Licence Manager and SEE Electrical on the same system

If the Licence Manager and SEE Electrical run on the same system, you must carry out on this system the following additional configurations, which are deviating from the standard approach:

- *On your computer, open Windows* **START** *menu ➢* **Settings** *➢* **Control panel** *➢* **Services and application** *➢* **Services***.*
- *Right click on the "HASP License Manager" service and select* **Properties** *in the pop-up menu.*
- *Click the* ***Log on*** *tab and activate the "****Allow service to interact with desktop****" option.*
- *Confirm your modifications by* ***OK****.*

Now follow the description in "Installation of SEE Electrical per CAD computer in the network" and enter in the NETHASP.INI file for the IP address 127.0.0.1.

The entry must be modified as follows: NH_SERVER_ADDR=127.0.0.1

- *Restart the computer.*

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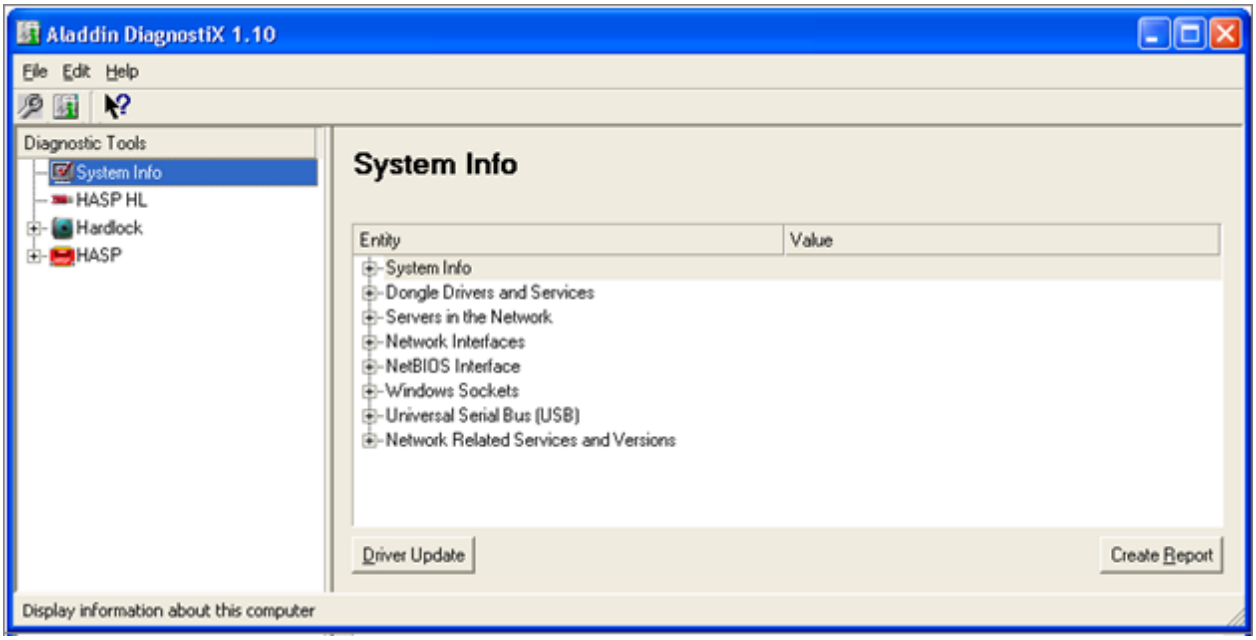
B.2.4. ADDITIONAL CONFIGURATION, WHEN RUNNING SEVERAL OR DIFFERENT LICENCE MANAGERS IN THE NETWORK

If, in your network, you run several *Licence Managers* for different software products or if several Licence Managers are available in the network, you must follow the following procedure.
Install on a CAD workstation the diagnostic program DiagnostiX from the CD. You will find the program in the CD folder under *…\HLDRV\HL_Diag\aksdiag32.exe*.

After the installation you will find it under Windows **START ➢ Programs ➢ Aladdin ➢ DiagnostiX ➢ Aladdin DiagnostiX**.

- Start the program.

The following window appears:



- In the *"**Diagnostic Tools**"* tree structure on the left side, select the "HASP" entry.

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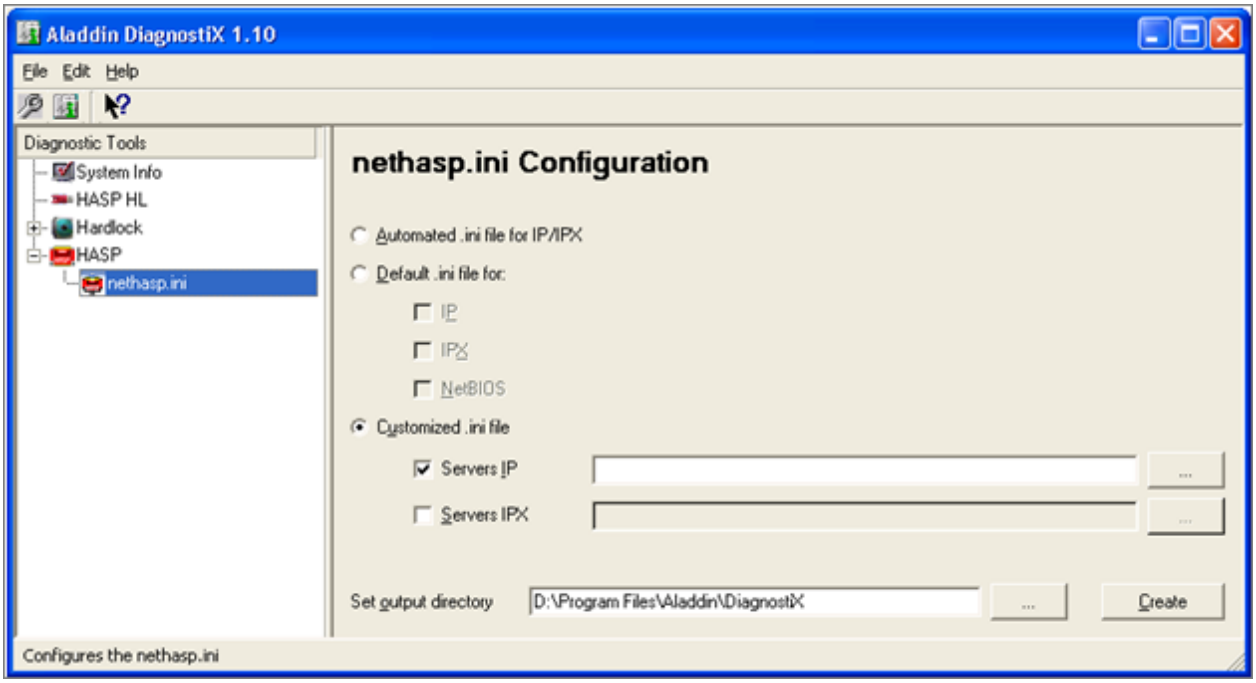
- Click on the *"nethasp.ini"* entry.



- Enable the *"**Customized .ini file**"* option and then the *"**Server IP**"* check box in the right pane of the nethasp.ini Configuration window.
- Click the ... button.
- In the new window, in the ***Available elements*** area, select the IP of the servers to be used and the server names.
- Press the ">" button and confirm your modifications with **Apply**.
- Set the window folder (e. g. *C:\Windows*\) in the ***Select folder*** area.
- Click the **Create** button.

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B.3. LICENSE WITH A SOFTWARE KEY - INTRODUCTION

If you use a software key, the computer, where *SEE Electrical* must be licensed has to be connected to the internet.
If you do not have the possibility to connect your computer to internet at least to license *V7R1*, contact your dealer as you have to use a dongle in the future.

Hint:

The use of the software is allowed only within your contract and/or the License agreements (displayed during the installation).

Attention:

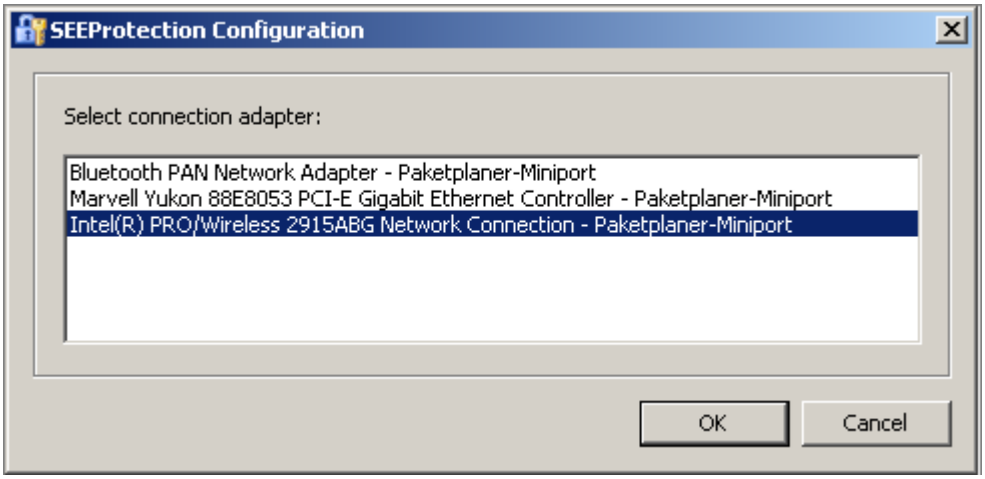
If a new installation of *SEE Electrical* is needed later, the licensing procedure must be executed again.
The releasing of the license must be made before uninstalling or reinstalling *SEE Electrical*, or before reinstalling the operating system on this PC or changing the hard disk, etc.
It is required to free the license in order to register the *SEE Electrical* license again after an update.

After licensing, you can use *SEE Electrical* unlimited.
If you are not familiar with the program, we recommend to work through the *Workspace Example 1* (in the *User Manual*) to receive a general introduction into the program.

B.3.1. DIFFERENT NETWORK CARDS USED DURING SOFTLOCK LICENSING

Before you start the licensing procedure, SeeProtectionConfig.exe can be used to define which network card shall be used to calculate the Softlock (in case, for example, an internal network card is present at the computer but a wireless networking key has to be used when licensing).

- Choose the one to use and press **OK**.


SEEProtection Configuration
Select connection adapter:
Bluetooth PAN Network Adapter - Paketplaner-Miniport
Marvell Yukon 88E8053 PCI-E Gigabit Ethernet Controller - Paketplaner-Miniport
Intel(R) PRO/Wireless 2915ABG Network Connection - Paketplaner-Miniport
OK
Cancel

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B.3.2. LICENSE WITH A SOFTWARE KEY

By using this method of licensing, it is possible to enable an already installed license again (a license can be used on a company PC and on a laptop alternately.)

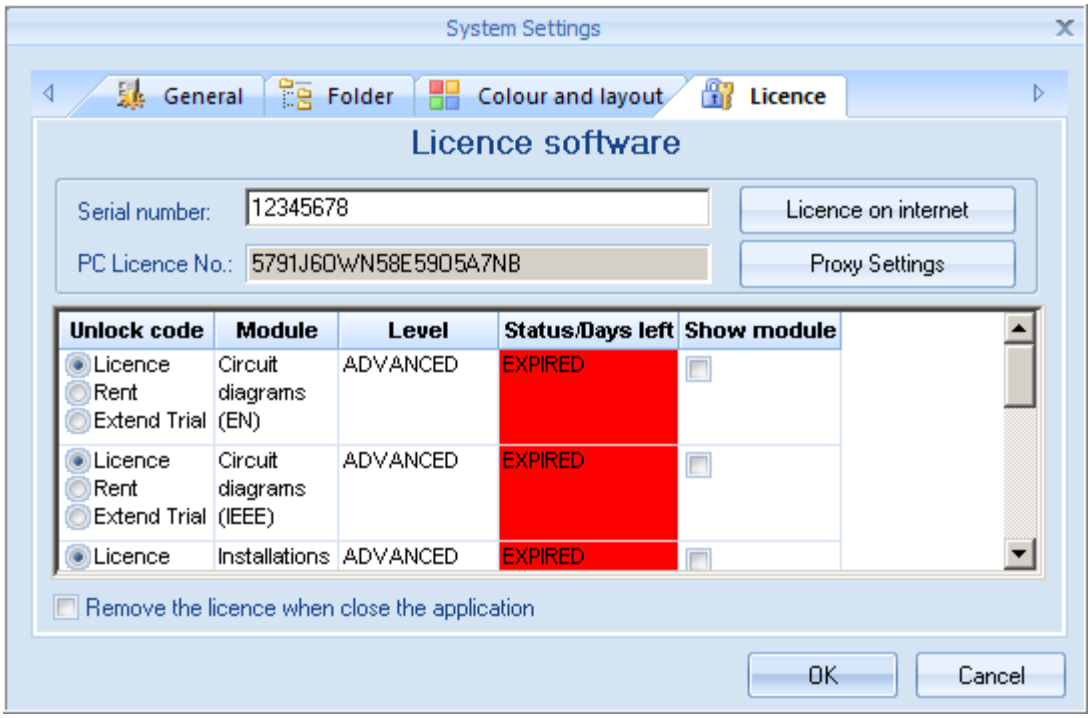
The releasing of the license must be made before uninstalling or reinstalling of *SEE Electrical*, or before reinstalling the operating system on this PC or exchanging the hard disk etc. It is required to free the license in order to register the *SEE Electrical* license after an Update again.

If *SEE Electrical* Version *V7R1* and an older version are used on the same computer parallel, the following particularities apply: you have to release the license for the version *V5R1* before you can license the version *V7R1* and vice versa.

If you start *SEE Electrical* for the first time, the License wizard appears automatically.

- Enter your company data here.
- Select the type of protection used for your software: "***My software is protected with a software key or this is a trial version***".
- Click **Next**.

The License wizard dialog box appears (see below).
If you don't register the license now, you can perform this by executing **File menu** ➢ **System Settings** ➢ **License** tab. In this case, all the workspaces must be closed.
The following dialog box appears:



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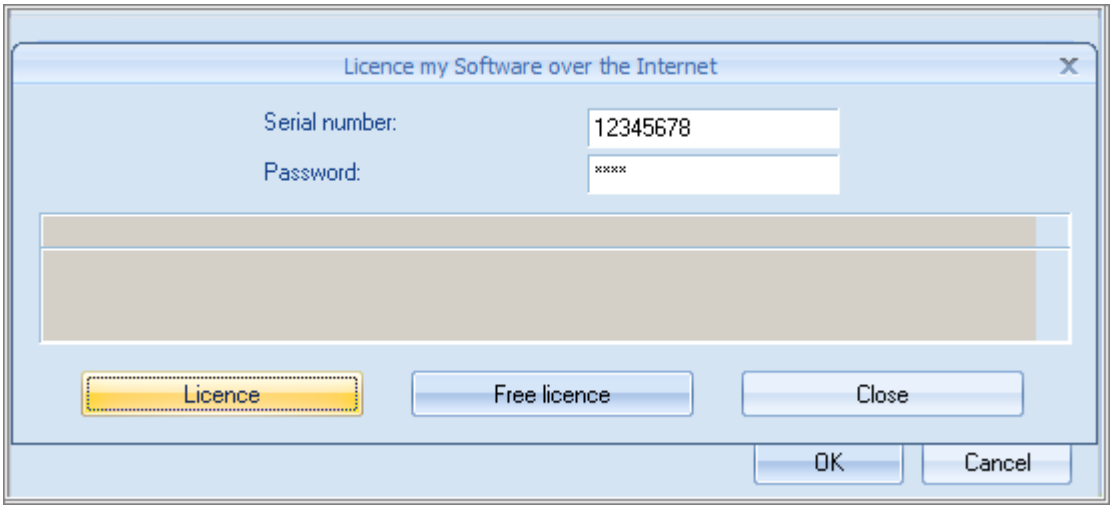
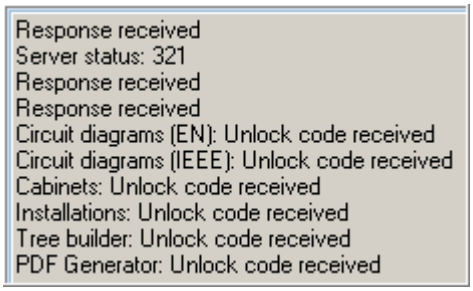
Various data can appear in the dialog box.

- Enter the serial number as given in your certificate. Each serial number consists of 8 digits.
- If you need to define *Proxy* settings, refer to the chapter below.
- Press the **License on Internet** button. Make sure before that the Internet connection is available.

You will come to the internet site where you can generate your license code.



- Enter the licence password as given to you in your certificate. Upper and lower case is not considered.
- Click the **Licence** button. If the license request is correct, the following message appears:



If you possess several serial numbers of *SEE Electrical*, never licence one serial number while another serial number is licensed on this PC. Otherwise, you will lose one license. If one license is already available, you will receive a warning message.

- Close the dialog box.
- Click **Finish** in the *License wizard*, and then click **OK**.

After clicking on **Finish**, you can use *SEE Electrical* unlimited within your license.

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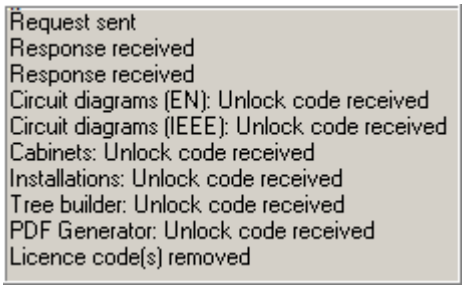
Free license again

By clicking the **Free license** button in the ***License my software over the Internet*** dialog box, you can remove your license code from the PC where it was installed, and then you can license *SEE Electrical* on another PC.

Before clicking the **Free license** button, enter your licence password again.



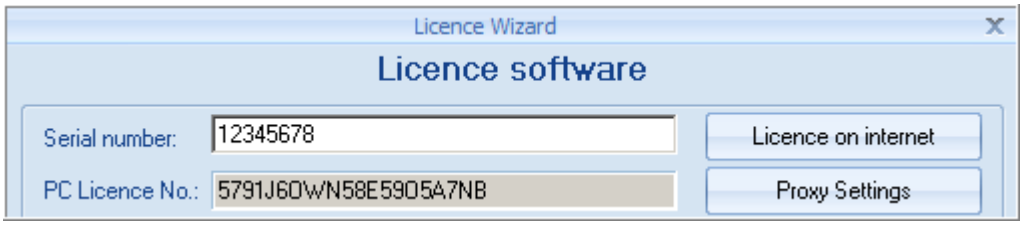
If you receive a message "*Licence code(s) removed*", the licence has been released again.

Remove licence automatically when SEE Electrical is closed

It is possible to remove the license each time, when the program is closed. If you want to do so, enable the setting "***Remove the license when close the application***" in this window. Make sure you are connected to the internet.
If the setting is enabled, the system asks each time you close the program, if the licence shall be removed. If you choose **Yes**, you have to licence again next time you want to use the program.

Proxy settings

The **Proxy settings** button in the License Wizard dialogue to allow you a connection by using proxy settings



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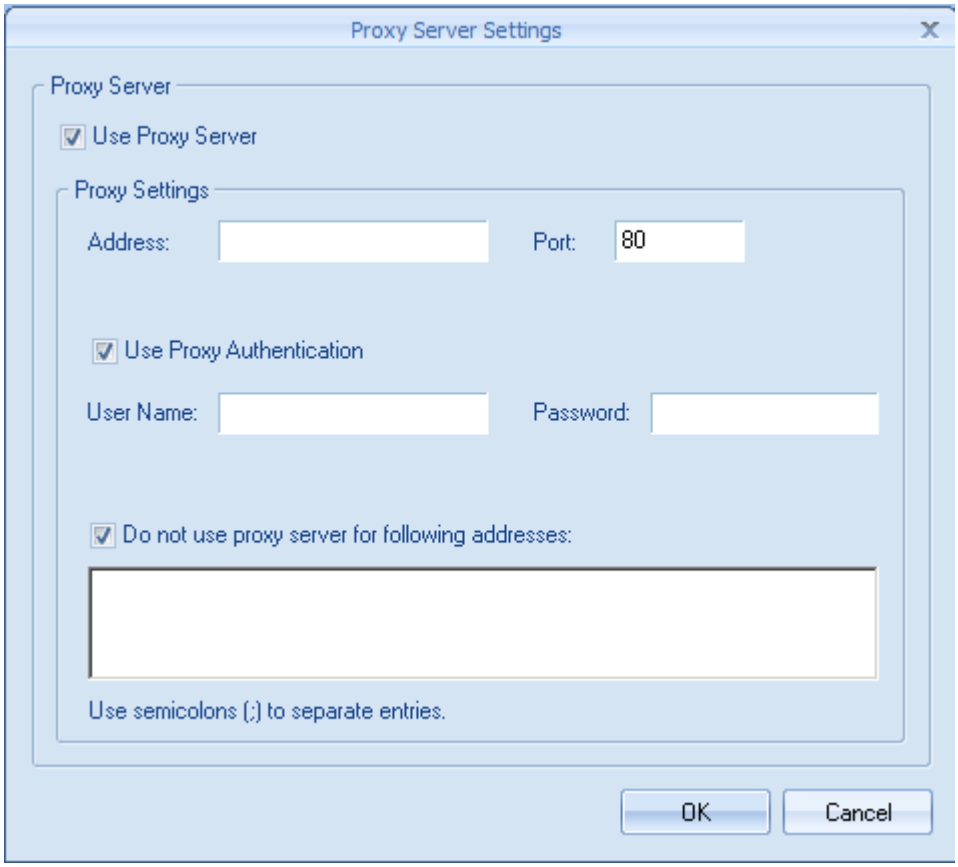
- Click the **Proxy Settings** button and enter the information in the dialogue that appears:



- Enable *"**Use Proxy Server**"*.

The input fields for IP address "***Address***" and port of the Proxy-server "***Port***" are activated.

If you do not know the appropriate values, ask your network administrator.
If you use a Proxy server with authentication, you can switch the setting "***Use Proxy Authentication***" and type the "***User Name***" and the "***Password***" used for this.

*"**Do not use proxy server for following addresses:**"*
You can click to select the Bypass proxy server for local addresses check box, if you do not want the proxy server computer to be used when you connect to a computer on the local network (this may speed up performance). For more information refer to **http://support.microsoft.com/kb/135982**.

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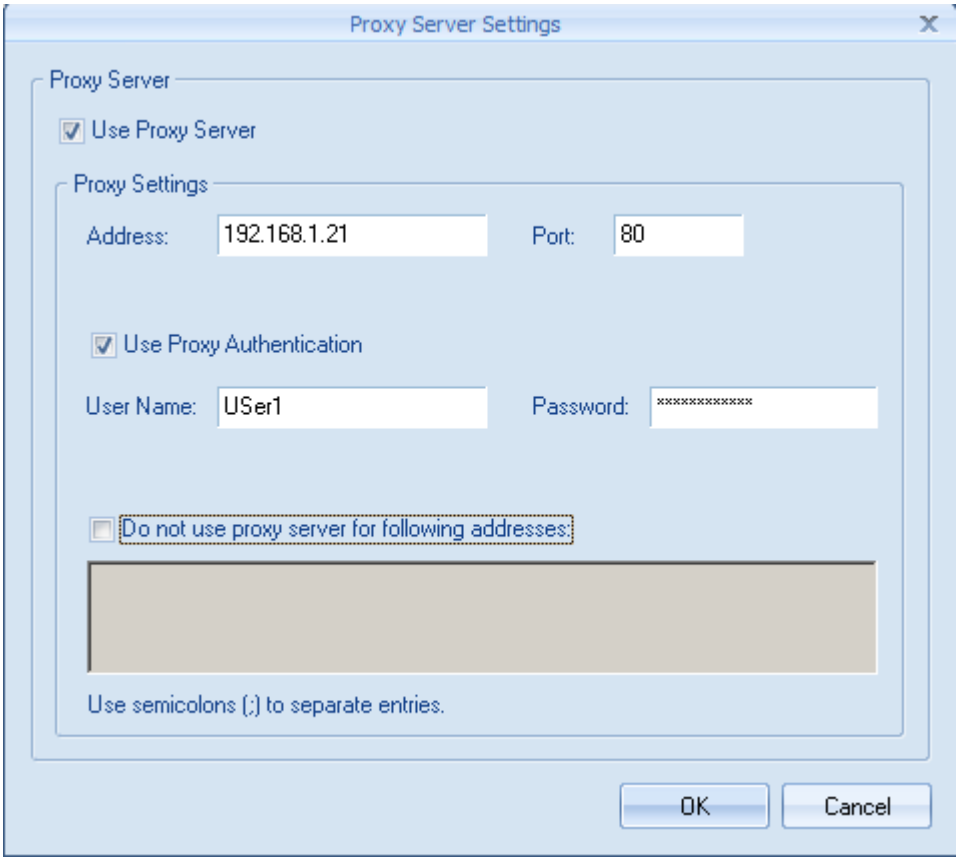
Example:



*Save your settings with **OK**.*

B.3.3. LICENSING SEE ELECTRICAL VIA LOCAL LICENSE SERVER

If you work on a high security level and you do not have access to the Internet for your local network or workstation, you can use the local license server. The use of a local license server offers the possibility to borrow a license for a certain amount of days. This means that if your company has several licenses the users can check out the license from the server. The license is then available on the user's computer even if it is not connected to the company network. After the determined period the license is blocked if the computer is not connected to the company's network.

Note:

The license available via the local license server is a softlock type license.

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Setup the local server

You have to possess Administrator right to setup the local server!

- Copy the *SEE Electrical Server Manager* files into an appropriate folder on the server.

The necessary files are the following:

✓ *SEEServerManager.Exe*
✓ *SEEProtectionService.Exe*
✓ *SEEProtection.Dll*
✓ *SEEProtection.Bat*
✓ *UnregisterService.Bat*

The files are located in the*..\Tools\LocalServer* folder of *SEE Electrical* after the installation.

- After copying the files to the appropriate folder launch the *SEEProtection.bat* file in order to register the *SEEProtection.dll* file. **You need Administrator rights on the server**.
- If *UAC* (User Account Control) is disabled then you can just run *SEEProtection.bat.*
- If *UAC* is enabled then you have to run *SEEProtection.bat* as Administrator. To do this you have to start Command Prompt as Administrator. Go to **Start ➢ All Programs ➢ Accessories ➢ Command Prompt,** right click and select "Run as Administrator":

In *Command Prompt* go to the folder where *SEEProtection.bat* file is and run it from there:

- Start the SEE Electrical Server Manager - SEEServerManager.exe

The License Server Manager window appears.

- Press the **Settings** button.

A new window appears.
Within this window you can see the Server IP Address and the Server ID. Please, send them to your SEE Electrical dealer in order for him to generate the licensing information about the server.

- Click Cancel and close the ***License Server Manager***.

After the dealer has sent you the license file (<Name.LCS), please copy this file to your server into the folder which contains the files for the local license server.

- Open the *License Server Manager* again and then open the ***Settings*** window.
- Press the button in the *"**Server license file**"* field and load the < *Name.LCS* file.
- Select the LOG file to use to write the protocol for the starts/stops of the license server and the login/logout of the users too.
- With the **Clear log file** button you can delete all entries in the log file from time to time to keep a better overview.
- Define the port to use.

For example you can use port 999. You can use any TCP/IP port number as long as it is not used by any other service (for example port 80 is used for http protocol and port 21 is used for FTP communication). Port 999 is free on windows operating systems

- Save your settings by using the **OK** button.

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As soon as a license file is defined in the settings, the SEE Electrical License Server Manager displays the serial numbers, the modules, the levels and the number of licenses available in your license.

- To start the server, press the **Start Server** button.

You can see if the server is running or not in the "***Current status***" field.

- To stop the server, press the **Stop Server** button.

Inform the users that the local server is available and that they can license the SEE Electrical on their local computers now.
You need to forward the information about the:

- ✓ *IP Address of the server ("Settings" window of the "License Server Window")*
- ✓ *port to use ("Settings" window of the "License Server Window")*
- ✓ *serial number to use (the serial number provided you by your SEE Electrical dealer. It is also displayed in the of the "License Server Window" in the "Available licenses" section)*
- ✓ *pass key to use during the licensing process (the pass key provided you by your SEE Electrical dealer)*

When the users log in to the local license server, the number of the currently used licenses currently will be updated in the "License Server Window" in the "Available licenses" section.

Setup each computer for each single user

The license available via local license server is a softlock license.

- Choose the "***License from Local Server***" option if you want to use a local server. (Before the local server can be addressed, it has to be prepared)
- Type your serial number.
- Click the **License on local server** button.
- Define the IP address and Server port of the server. For any additional information, please contact your administrator.
- Type your password. (This is the password provided you by your distributor.)

If you want to borrow a license to be able to work without connection to a local network for a certain amount of days, define the number of days you need to borrow the license in the *"**Borrowed day(s)**"* field. A maximum of 90 days is possible.(If the value in *"**Borrowed day(s)**"* field is empty, the PC must be connected directly to the local license server to work with the software).

- Press the **License** button.

The modules in the ***License wizard*** window will be displayed in green or in blue (in case you borrowed the license). If you borrowed the license, the number of days left is also displayed.

Attention:

A license will be taken from the license server each time SEE Electrical is started. The license will be transmitted to the license server (and thus will be available again) as soon as SEE Electrical is closed (except it is borrowed).
If you have borrowed a license you have to "Free license" first, before a license can be taken again.

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B.3.4. LICENSING AUTOMATICALLY THE NEW VERSION IF AN OLD VERSION OF THE SOFTWARE IS ALREADY INSTALLED

If you install a new version on a computer that already has a previous version of *SEE Electrical V6* build 16 or higher and the version is licensed via software key, the licensing of the new version is done automatically.

B.3.5. "SILENT" LICENSING IF USING THE "REMOVE THE LICENSE WHEN CLOSE THE APPLICATION" OPTION

If you use the *"**Remove the license when close the application**"* option, a new registry key - License\General\AskToLicenseOnOpen – allows you to define if the program will ask you or not about the licensing on the startup.
Value 1 - a message appears.
Value 0 - the message will not appear but the software will try to license automatically in case there is a valid license code.
This new registry setting is useful when you try to open a project from the *Windows Explorer* or PDM systems like *Microsoft Share Point* etc. Then it won't be possible to open a project if this message appears, so you need to switch it off.

B.3.6. TERMINAL SERVER SUPPORT

SEE Electrical can be used in terminal server environments for licenses licensed via softlock (by internet or local license server) or FlexLM. It is necessary to license each individual user.
The licensing algorithm detects if the software is used in such an environment and adds user name to the licensing process. For example, if three users want to use the software in the same time you will need three licenses..
Dongle protection cannot be used if the software is installed on terminal server. In case the software is installed on terminal server (or remote desktop, that means in any case where RDP protocol used) a message informs you in case protection by dongle is chosen.

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C INSTALLATION OF WORKSPACES, SYMBOLS AND TEMPLATES IN A NETWORK IF NO SEE ELECTRICAL HAS BEEN INSTALLED BEFORE

Copy the contents of the sub-directories *...\Projects*, *...\Symbols* and *...\Templates* into the desired network drive. Here rights must exist for writing, reading, modifying and creating files.
We recommend you to delete or rename the local directories *...\Projects*, *...\Symbols* and *...\Templates*.

- Start *SEE Electrical*.
- From the File menu press the **System settings** button
- Open the ***Directories*** tab.
- Enter the new directories.

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D UPDATING FROM AN EXISTING SEE ELECTRICAL VERSION V5R1

First secure your data!

A parallel installation of V5R1 and V7R1 versions of *SEE Electrical* is possible.
However, it should be noted that projects, page and project templates, type databases and symbol libraries that have been opened with version V7R1, cannot be processed using an older version of *SEE Electrical*.
Make sure that you have strictly removed all data.

- If you use a softlock, free the licence of V5R1 or of an older version before installing V7R1.
- Make a backup copy before the uninstallation/installation procedure.
- Save the contents of the directories *...\Projects*, *...\Symbols*, *...\Templates*.

Notes for the Symbols directory:

The "System.Ses" and "List of text placeholders.ses" files must not be applied because these files are related to the version.
If you have not created any user defined cable symbols, we recommend you not to convert the Cables.ses file because this file already exists in the V7R1.
The OGl files from the directory ...\Symbols is also related to the version and must not be saved.

Notes for the Templates directory:

Files to save:
- ✓ *Wires.msw (database of wire properties)*
- ✓ *Translation.mdb (translation database)*
- ✓ *Cables.mdb (user defined cable database)*
- ✓ *If you have not created any user defined cable symbols, we do not recommend you to save the Cables.mdb file.*
- ✓ *All files with the endings *.tdw, *.txt, *.dat*
- ✓ *The *.cds, *.LbL, *.Lbp, *.Lbv, *.Lst, *.Lsv, *.Lsp. files for the "Lists and labels" module*

From …\Templates you must by no means save the SYSTEM.SEM file and the files with extension EXT and RPT because these files relate to the version.

- If necessary, remove the old version of *SEE Electrical*.

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The installation must be made in a new directory, you cannot install it over an existing version of *SEE Electrical*. However, you can install the new version parallel to the old one or uninstall the old version before installing the new one.

Before uninstalling check your backup!

Here is described the data transfer from the version V5R1.

Note:

If you transfer data from an older version of SEE Electrical than V5R1, you must convert the files. You will find instructions for converting the data under "Conversion of data from V5R1 and older version".

- Copy the saved data again into the proper directories.

If your data (projects, type database etc.) is processed for the first time with the new version of *SEE Electrical*, you will have to fit it to the format of version V7R1. After this the data cannot be used any more together with older versions of *SEE Electrical*!

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E UPDATING FROM AN EXISTING SEE ELECTRICAL VERSION V4R1 AND OLDER

E.1. CONVERSION OF EXISTING USER DATA WHEN USING OLDER VERSIONS OF SEE ELECTRICAL

First secure your data!

Because data is now stored in an *Access 2000* database, it is necessary to convert all the files that have been based on an *Access* database in the past: projects, libraries, additional databases.

The Converter for old projects, symbols and additional databases (Wire database (*WIRES.MSW*), Cable database (*CABLES.MDB*) and Translation database (*TRANSLATION.MDB*) - all in templates directory), into *Microsoft Access 2000* format is located in the *SEE Electrical* folder. Its name is "*CADdy2SEP.EXE*". You will also find the converter in the *Windows* **Start** menu in the group "***SEE Electrical V7***".

Please copy your old files in the directories used for *SEE Electrical V7R1* (by default "*…\projects, …\symbols, …\templates*") before starting the converter. The converter will replace them by files in *Access 2000* format. The old files are copied into a folder "*Backup*" beneath the folder where they have been.

New file names:

Description	Old Name	New name	Folder (Default)
Workspaces	*.cpj	*.sep	…\projects
Cable database	Cable.mdb	CableNew.mdb	…\templates
Wire database	Wires.msw	Wires.mdb	…\templates
Translation database	Translation.mdb	TranslationNew.mdb	…\templates
Symbol libraries	*.cps	*.ses	….\symbols

(The default settings for the converter are located in the master project "*_Convert.c2s*" in *SEE Electrical* folder. If you want to add specific *SQL*-queries or add user defined project information texts to all the converted projects, this master project can be changed. To do so, rename it to *SEP* as extension, treat it as a normal project and rename it back).

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F INSTALLATION OF WORKSPACES, SYMBOLS AND TEMPLATES IN A NETWORK IF OLDER VERSION OF SEE ELECTRICAL HAS BEEN INSTALLED BEFORE

A parallel installation of V6R1 and V7R1 versions of *SEE Electrical* is possible.
However, it should be noted that projects, page and project templates, type databases and symbol libraries that have been opened with version V7R1, cannot be processed using an older version of *SEE Electrical*.
Therefore, we do not recommend you the parallel installation, if symbols, templates and projects are stored on the network, unless a strict separation can be guaranteed!

- If you use a softlock, free the licence of *SEE Electrical* V5R1 or of an older version before installing *SEE Electrical* V7R1.

All workstations must be changed simultaneously.

- Make a backup before you perform an uninstall or reinstall:
- Save the contents of the directories *...\Projects*, *...\Symbols*, *...\Templates* in the network!

Notes for the Symbols directory:

The "System.Ses" and "List of text placeholders.ses" files must not be applied because these files are related to the version.
If you have not created any user defined cable symbols, we recommend you not to convert the Cables.ses file because this file already exists in the V6R1.
The OGl files from the directory ...\Symbols is also related to the version and must not be saved.

Notes for the Templates directory:

Files to save:
- ✓ *Wires.msw (database of wire properties)*
- ✓ *Translation.mdb (translation database)*
- ✓ *Cables.mdb (user defined cable database)*
- ✓ *If you have not created any user defined cable symbols, we do not recommend you to save the Cables.mdb file.*
- ✓ *All files with the endings *.tdw, *.txt, *.dat*
- ✓ *The *.cds, *.LbL, *.Lbp, *.Lbv, *.Lst, *.Lsv, *.Lsp. files for the "Lists and labels" module*

From …\Templates you must by no means save the SYSTEM.SEM file and the files with extension EXT and RPT because these files relate to the version.

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- If necessary, remove the old version of *SEE Electrical*.

The installation must be made in a new directory, you cannot install it over an existing version of *SEE Electrical*. However, you can install the new version parallel to the old one or uninstall the old version before installing the new one.

Before uninstalling check your backup!

Here is described the data transfer from the version V5R1.

Note:

If you transfer data from an older version of SEE Electrical than V5R1, you must convert the files. You will find instructions for converting the data under "Conversion of data from V5R1 and older version".

- Copy the saved data again into the proper directories.

If your data (projects, type database etc.) is processed for the first time with the new version of *SEE Electrical*, you will have to fit it to the format of version V7R1. After this the data cannot be used any more together with older versions of *SEE Electrical*!

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G USING V7R1 AND V6R1 OR V5R1 IN PARALLEL

G.1. CUSTOMERS WITH SOFTLOCK AND VERSION V6R1 OR V5R1

It is possible to use *SEE Electrical V6R1* and *SEE Electrical V7R1* at the same time if your licence code is the same. The procedure is the following:

- Remove, on the internet, the licence code for V6R1.
- Open *SEE Electrical V7R1*.
- Licence the product.

After you have licensed *SEE Electrical V7R1*, you have to license *SEE Electrical V6R1* also. It is not automatically licensed. After you can use the two versions parallel.

Note

You can remove the licence only for SEE Electrical V7R1. In this case the license for SEE Electrical V6R1 is automatically removed.

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H USING V4R1 AND V7R1

H.1. CUSTOMERS WITH SOFTLOCK AND VERSION V4R1

The software used for the protection had to be changed to improve support with *MS Vista* and *Windows 7*. Additionally with the new protecting software it is not necessary any more to have administrator rights to license or remove the license.

Because of the change of protection the licensing of the program by software in the future is only possible, if the computer is connected to the internet while licensing.

If you have licensed by software the *V4R1* and do not have the possibility to connect your computer to the internet in order to license *V7R1*, please contact your dealer as you have to use a dongle.

Because of the new protection software, you have to put your V4R1 license to the database on the internet before you can license the V7R1. For the installation you still need Administrator rights.

H.2. SIMULTANEOUS USE OF SEE ELECTRICAL V4R1 AND V7R1

H.2.1. SOFTLOCK

The licence for the version *V4R1* has to be released before licensing the version *V7R1*and vice versa.
You can find more info on how to execute this action in the chapter *"License with a software key".*

H.2.2. DONGLE

The dongle code given for your V7R1 is only valid for V7R1 and V6R1. You cannot use it to work with an older version
If you need to work with V4R1 >= 148 too, contact your delivery department.

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